


2 Mobile commerce: framework, applications and networking support

Upkar Varshney, Ron Vetter

June 2002 Mobile Networks and Applications, Volume 7 Issue 3

Publisher: Kluwer Academic Publishers

Full text available:  [pdf:352.17](#)

 KB

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 53, Downloads (12 Months): 664, Citation Count: 20

Advances in e-commerce have resulted in significant progress towards strategies, requirements, and development of e-commerce applications. However, nearly all e-commerce applications envisioned and developed so far assume fixed or stationary users with ...

Keywords: layered framework, middleware, mobile applications, mobile commerce, wireless networking


3 End-to-end throughput and delay assurances in multihop wireless hotspots



Kuang-Ching Wang, Parameswaran Ramanathan

September WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available:  [pdf:283.18](#)

 KB

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 46, Citation Count: 3

Next generation Wireless Local Area Networks (WLAN's) are likely to require multihop wireless connections between mobile nodes and Internet gateways to achieve high data rates from larger distances. The paper addresses the challenges in concurrently ...

Keywords: IEEE 802.11, medium access, proportional differentiation, quality of service, scheduling



4 Emerging mobile and wireless networks



Upkar Varshney, Ron Vetter

June 2000 Communications of the ACM, Volume 43 Issue 6

Publisher: ACM

Full text available:  [pdf:609.43 KB](#)  [html:36.15](#)

 KB

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 649, Citation Count: 27


5 [Modeling PCS networks under general call holding time and cell residence time distributions](#)

Yuguang Fang, Imrich Chlamtac, Yi-Bing Lin

December 1997 IEEE/ACM Transactions on Networking (TON), Volume 5 Issue 6

1997

Publisher: IEEE Press

Full text available:  [pdf#568.70](#)

 KB

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 85, Citation Count: 16


Keywords: PCS, billing rate planning, call blocking, call holding time, call termination, cell residence, handoff

6 [Pricing differentiated services in the GPRS environment](#)

Sergios Sourdos, Costas Courcoubetis, George C. Polyzos

July 2003 Wireless Networks, Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  [pdf#916.31](#)

 KB

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 74, Citation Count: 1

The General Packet Radio Service extends the existing GSM mobile communications technology by providing packet switching and higher data rates in order to efficiently access IP-based services in the Internet. We adapt the Differentiated Services Quality-of-Service ...

Keywords: GPRS, QoS, congestion pricing, differentiated services, two-bit differentiation

7 [A new transport protocol for broadcasting/multicasting MPEG-2 video over wireless ATM access networks](#)

Hairuo Ma, Magda El Zarki

July 2002 Wireless Networks, Volume 8 Issue 4

2002

Publisher: Kluwer Academic Publishers

Full text available:  [pdf#201.01](#)

 KB

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 49, Citation Count: 0

Because of the telecommunications de-regulation act and progress in wireless technologies, we will see the co-existence of heterogeneous broadband access infrastructures in the broadband video service industry in the near future. In this paper, we addressed ...

Keywords: FEC, MPEG-2 broadcast/multicast, WATM, header redundancy, real-time, video quality

20 [A mobility-aware broadcasting infrastructure for a wireless internet with hotspots](#)



Cristian Hesselman, Henk Eertink, Ing Widya, Erik Huizer

September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available: pdf (292.13 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 53, Citation Count: 0

In this paper, we consider the problem of adaptively delivering live multimedia broadcasts (e.g., for applications such as TV, radio, or e-cinema) to a potentially large number of mobile hosts that roam about in a wireless internet with hotspots. We ...

Keywords: hotspots/overlays, mobility, multimedia broadcasting, negotiation

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